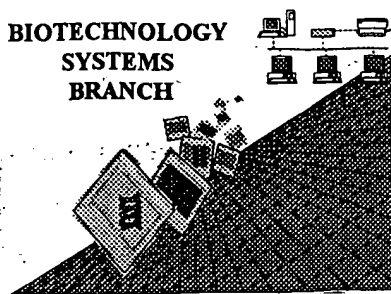


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BIOTECHNOLOGY
SYSTEMS
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**RAW SEQUENCE LISTING
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/756,096
Source: O/PF
Date Processed by STIC: 1/8/2002

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TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212. OFFICE OF PETITIONS

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
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<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission

User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
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FILE COPY

0380
4770
0560

#12
Raw

Seq. listing
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error

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APR 03 2002

OIPE

RAW SEQUENCE LISTING

DATE: 01/08/2002

PATENT APPLICATION: US/09/756,096

TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt

Output Set: N:\CRF3\01082002\I756096.raw

4 <110> APPLICANT: Mitchell, Lloyd G.
5 Garcia-Blanco, Mariano A.
6 Puttaraju, Madaiah
7 Mansfield, Gary S.

10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
11 SPLICEOSOME MEDIATED RNA TRANS-SPLICING

14 <130> FILE REFERENCE: A31304-B-A-B 072874.0135

16 <140> CURRENT APPLICATION NUMBER: 09/756,096

17 <141> CURRENT FILING DATE: 2001-01-08

19 <150> PRIOR APPLICATION NUMBER: 09/158,863

20 <151> PRIOR FILING DATE: 1998-09-23

22 <150> PRIOR APPLICATION NUMBER: 09/133,717

23 <151> PRIOR FILING DATE: 1998-08-13

25 <150> PRIOR APPLICATION NUMBER: 09/087,233

26 <151> PRIOR FILING DATE: 1998-05-28

28 <150> PRIOR APPLICATION NUMBER: 08/766,354

29 <151> PRIOR FILING DATE: 1996-12-13

31 <150> PRIOR APPLICATION NUMBER: 60/008,317

32 <151> PRIOR FILING DATE: 1995-12-15

34 <160> NUMBER OF SEQ ID NOS: 105

36 <170> SOFTWARE: FastSEQ for Windows Version 4.0

38 <210> SEQ ID NO: 1

39 <211> LENGTH: 132

40 <212> TYPE: DNA

41 <213> ORGANISM: Homo sapien

43 <400> SEQUENCE: 1

44 caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttggt gattcttctt 60

45 aaatcttttg tgatggaaa cttttcttcg taccacggga ctaaacctgg ttatgtagat 120

46 tccattcaaa aa 132

48 <210> SEQ ID NO: 2

49 <211> LENGTH: 29

50 <212> TYPE: DNA

51 <213> ORGANISM: Corynebacterium diptheriae

53 <400> SEQUENCE: 2

54 ggcgctgcag ggcgctgatg atgttggtg 29

56 <210> SEQ ID NO: 3

57 <211> LENGTH: 36

58 <212> TYPE: DNA

59 <213> ORGANISM: Corynebacterium diptheriae

61 <400> SEQUENCE: 3

62 ggcgaagctt ggatccgaca cgatttcctg cacagg 36

64 <210> SEQ ID NO: 4

65 <211> LENGTH: 68

66 <212> TYPE: DNA

67 <213> ORGANISM: Artificial Sequence

69 <220> FEATURE:

70 <223> OTHER INFORMATION: Oligonucleotide

Does Not Comply
Corrected Diskette Needed

me 6-7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002

TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt

Output Set: N:\CRF3\01082002\I756096.raw

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72 <400> SEQUENCE: 4
73 aattctcttag atgcttcacc cgggcctgac tcgagtacta actggtacct cttctttttt 60
74 ttcctgca 68
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 60
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Oligonucleotide
84 <400> SEQUENCE: 5
85 ggaaaaaaaaa gaagaggtac cagtttagtac tcgagtcagg cccgggtgaa gcatctagag 60
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 24
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Oligonucleotide primer
96 <400> SEQUENCE: 6
97 tcgagcaacg ttataataat gttc 24
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 24
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Oligonucleotide primer
107 <400> SEQUENCE: 7
108 tcgagaacat tattataacg ttgc 24
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 35
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Oligonucleotide primer
118 <400> SEQUENCE: 8
119 aattctcttag atcaggcccg ggtgaagcac tcgag 35
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 25
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Oligonucleotide primer
129 <400> SEQUENCE: 9
130 tgcttcaccc gggcctgatc tagag 25
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 18
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapien
137 <400> SEQUENCE: 10
138 tgcttcaccc gggcctga 18

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RAW SEQUENCE LISTING

DATE: 01/08/2002

PATENT APPLICATION: US/09/756,096

TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt

Output Set: N:\CRF3\01082002\I756096.raw

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140 <210> SEQ ID NO: 11
141 <211> LENGTH: 16
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapien
145 <400> SEQUENCE: 11
146 ctcttctttt ttttcc 16
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 18
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 12
154 caacgttata ataatggt 18
156 <210> SEQ ID NO: 13
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158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapien
161 <400> SEQUENCE: 13
162 ctgtgattaa tagcgg 16
164 <210> SEQ ID NO: 14
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapien
169 <400> SEQUENCE: 14
170 cctggacgcg gaagtt 16
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 51
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapien
177 <400> SEQUENCE: 15
178 ctgggacaag gacactgctt cacccggtta gtagaccaca gccctgaagc c 51
180 <210> SEQ ID NO: 16
181 <211> LENGTH: 17
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapien
185 <400> SEQUENCE: 16
186 cttctgtttt ttttctc 17
188 <210> SEQ ID NO: 17
189 <211> LENGTH: 16
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapien
193 <400> SEQUENCE: 17
194 cttctgtatt attctc 16
196 <210> SEQ ID NO: 18
197 <211> LENGTH: 16
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapien
201 <400> SEQUENCE: 18
202 gttctgtcct tgtctc 16
204 <210> SEQ ID NO: 19

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RAW SEQUENCE LISTING

DATE: 01/08/2002

PATENT APPLICATION: US/09/756,096

TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt

Output Set: N:\CRF3\01082002\I756096.raw

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205 <211> LENGTH: 29
206 <212> TYPE: DNA
207 <213> ORGANISM: Corynebacterium diptheriae
209 <400> SEQUENCE: 19
210 ggcgctgcag ggcgctgatg atgttggtg          29
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213 <211> LENGTH: 36
214 <212> TYPE: DNA
215 <213> ORGANISM: Corynebacterium diptheriae
217 <400> SEQUENCE: 20
218 ggcgaagctt ggatccgaca cgatttcctg cacagg          36
220 <210> SEQ ID NO: 21
221 <211> LENGTH: 21
222 <212> TYPE: DNA
223 <213> ORGANISM: Corynebacterium diptheriae
225 <400> SEQUENCE: 21
226 catcgtcata atttccttgt g          21
228 <210> SEQ ID NO: 22
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Corynebacterium diptheriae
233 <400> SEQUENCE: 22
234 atggaatcta cataaccagg          20
236 <210> SEQ ID NO: 23
237 <211> LENGTH: 20
238 <212> TYPE: DNA
239 <213> ORGANISM: Corynebacterium diptheriae
241 <400> SEQUENCE: 23
242 gaaggctgag cactacacgc          20
244 <210> SEQ ID NO: 24
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapien
249 <400> SEQUENCE: 24
250 cggcaccgtg gccgaagtgg          20
252 <210> SEQ ID NO: 25
253 <211> LENGTH: 30
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <400> SEQUENCE: 25
258 accggaattc atgaagccag gtacaccagg          30
260 <210> SEQ ID NO: 26
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapien
265 <400> SEQUENCE: 26
266 gggcaagggtg aacgtggatg          20
268 <210> SEQ ID NO: 27
269 <211> LENGTH: 19

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002

TIME: 15:21:15

Input Set : A:\09756096SEQUENCELISTING.txt

Output Set: N:\CRF3\01082002\I756096.raw

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270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapien
273 <400> SEQUENCE: 27
274 atcaggagtg gacagatcc 19
276 <210> SEQ ID NO: 28
277 <211> LENGTH: 39
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
283 Escherichia coli lacZ gene
285 <400> SEQUENCE: 28
286 gcatgaattc ggtaccatgg gggggttctc atcatcatc 39
288 <210> SEQ ID NO: 29
289 <211> LENGTH: 36
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
295 Escherichia coli lacZ gene
297 <400> SEQUENCE: 29
298 ctgaggatcc tcttacctgt aaacgccccat actgac 36
300 <210> SEQ ID NO: 30
301 <211> LENGTH: 38
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
307 Escherichia coli lacZ gene
309 <400> SEQUENCE: 30
310 gcatggtaac cctgcagggc ggcttcgtct gggactgg 38
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 38
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
319 Escherichia coli lacZ gene
321 <400> SEQUENCE: 31
322 ctgaaagctt gtttaacttat tttttttgac accagacc 38
324 <210> SEQ ID NO: 32
325 <211> LENGTH: 47
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
331 Escherichia coli lacZ gene
333 <400> SEQUENCE: 32
334 gcatggtaac cctgcagggc ggcttcgtct aataatggga ctgggtg 47

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<210> 92

<211> 192

<212> DNA

<213> Artificial Sequence

see item 11 on Error Summary Sheet

<400> 92

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tccggccgca tcagcttttg cagccaattc agttggatca tgcccgttac catcaaggag 120

aacataatct tcggcgtcag ttacgacgag taccgctatc gtcggtgat taaggcctgt 180

cagttggagg ag 192

FYI Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

<210> 91
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide *give source of genetic material - see item 11 on Encl*

<400> 91

gtcagttgga ggaggacatc tccaagtttg

30

*summary
sheet*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/756,096

DATE: 01/08/2002

TIME: 15:21:16

Input Set : A:\09756096SEQUENCELISTING.txt

Output Set: N:\CRF3\01082002\I756096.raw

L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1030 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:1030 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: